

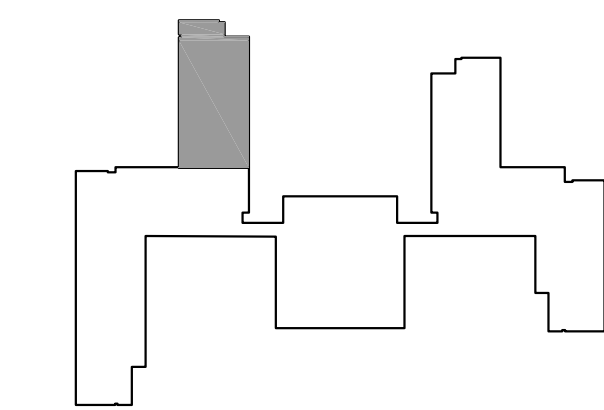
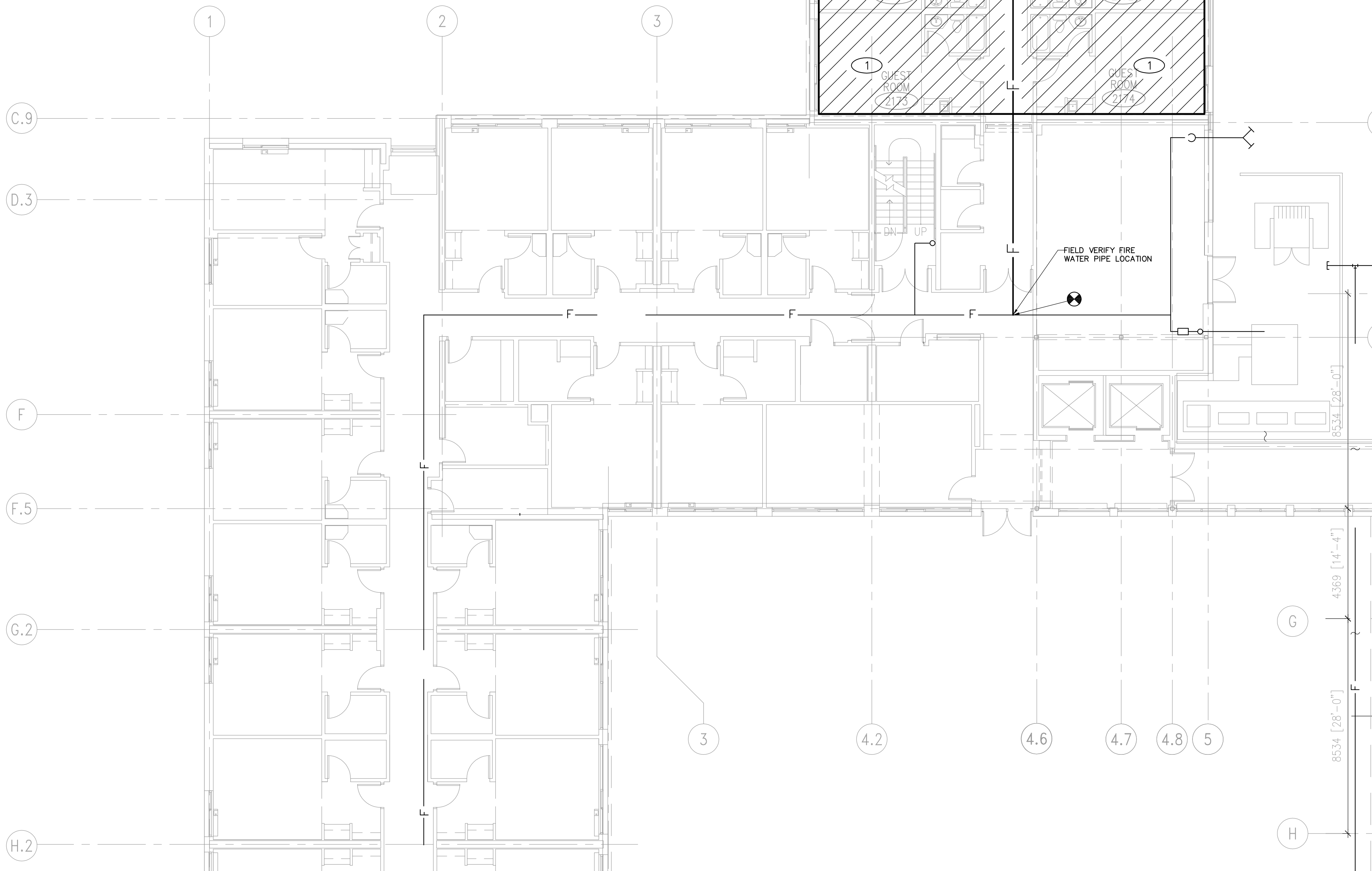
WATER FLOW TEST 6 JULY 1999

HYDRANT	STATIC PRESS.	RESIDUAL PRESS	TEST FLOW	RESIDUAL FLOW @ 20 PSI
#43	90 psi	80 psi	1179 GPM	3372 GPM
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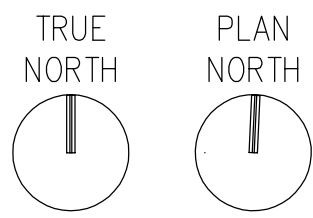
KEYED NOTES:

- 1 PROVIDE HYDRAULICALLY DESIGNED WET PIPE SPRINKLER SYSTEM FOR SLEEPING ROOMS AT DESIGN CRITERIA MINIMUM DENSITY OF 0.38 L/MIN PER SQUARE METER OVER THE MOST HYDRAULICALLY MOST DEMANDING 139 SQ. METERS (0.10 GPM/SQ. FT. OVER 1500 SQ. FT.) OF FLOOR AREA. PROVIDE HYDRAULICALLY DESIGNED WET PIPE SPRINKLER SYSTEM FOR ALL OTHER AREAS AT DESIGN CRITERIA MINIMUM DENSITY OF 0.38 L/MIN PER SQ. METER OVER THE MOST HYDRAULICALLY DEMANDING 279 SQ. METERS (0.10 GPM/SQ. FT. OVER 3000 SQ. FT.) OF FLOOR AREA. PROVIDE 57 DEG. C. TO 77 DEG. C. (135 DEG. F. TO 170 DEG. F.) RECESSED SPRINKLERS. PROVIDE FOR COMBINED INSIDE AND OUTSIDE HOSE STREAM FLOW OF AT LEAST 945 L/MIN (250 GPM) FOR 45 MINUTE DURATION.
- 2 PROVIDE 102 mm (4") STANDPIPE (MANUAL – WET TYPE) IN STAIR TOWERS. PROVIDE 63.5 mm (2 1/2") HOSE CONNECTION AND VALVE. PROVIDE A 51 mm (2") DRAIN SHUTOFF VALVE AT LOWEST POINT FIRST FLOOR. ROUTE PIPING ABOVE CORRIDOR CEILING.
- 3 PROVIDE INSPECTOR TEST STATION FOR FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13.5–15.41.
- 4 REFER TO ARCHITECTURAL DRAWINGS FOR FIREWALL LOCATIONS.

WEST WING 1st FLOOR FIRE PROTECTION PLAN



KEY PLAN




I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: *[Signature]*
Title: Project Manager
Registration No: 22452

4000 2000 0 4000 8000

SCALE: 1 : 100

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

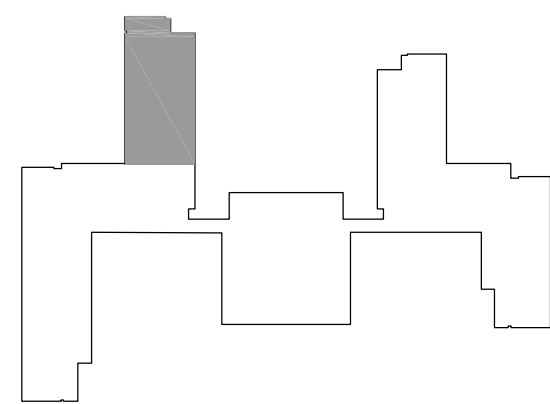
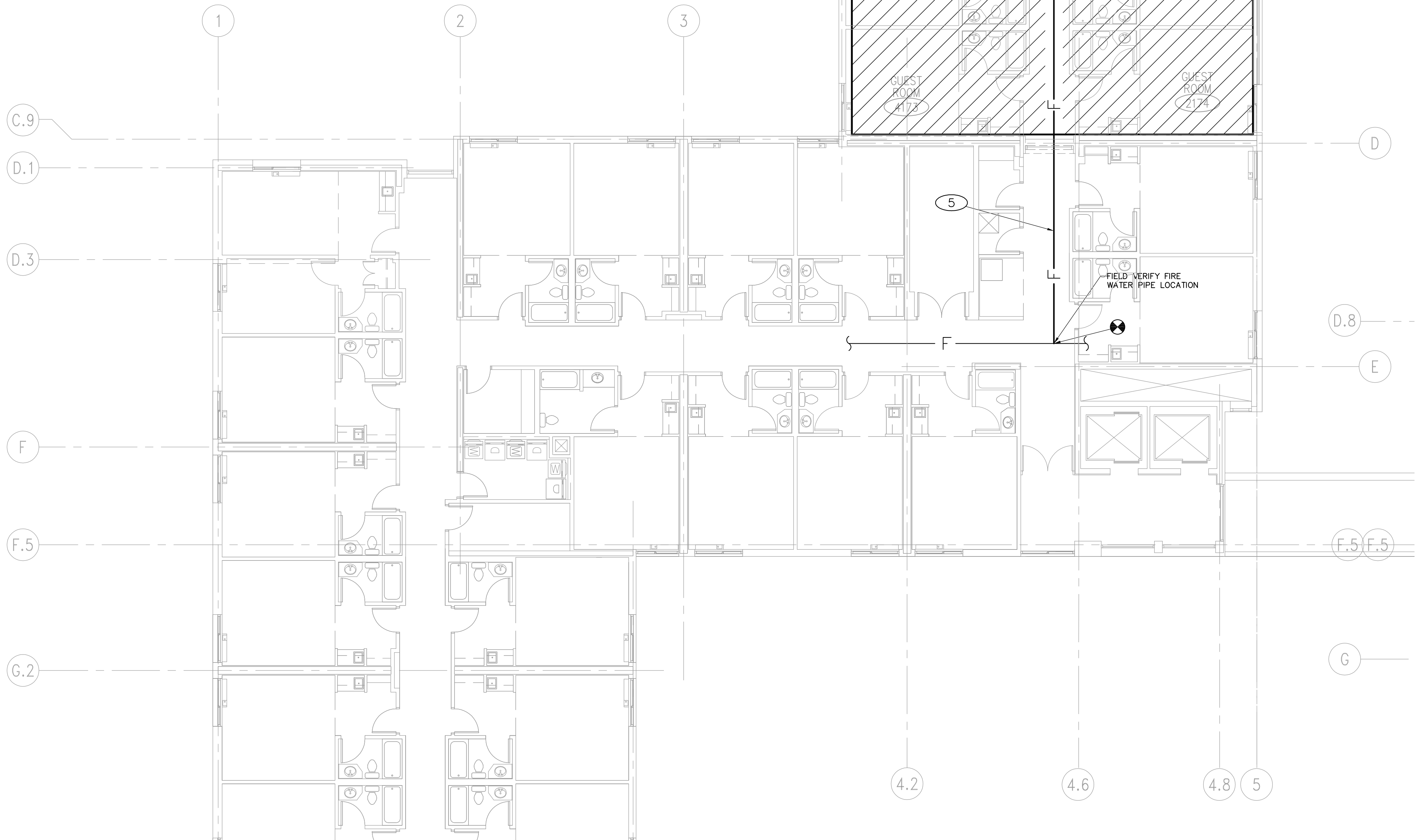
Revisions			
Symbol	Descriptions	Date	Approved
Architect:		Engineer:	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA
ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA		MEAD & HUNT MADISON, WISCONSIN	
Designed by:		MINNEAPOLIS—ST. PAUL AFR MINNESOTA	
WFH		CONSOLIDATED LODGING FACILITY — PHASE FOUR —	
Drawn by:		1st FLOOR	
JET		FIRE PROTECTION PLAN	
Checked by:			
WFH			
Reviewed by:	Plot Scale Ratio:	Date:	Sheet
	Design File: 100581206.dwg	DECEMBER 2003	reference
Submitted by:	Spec. No.:	Drawing Code:	number:
	W9128F-04-B-0002	AF 721-315-04	F2.6
	Contract No.:		
	W9128F-04-C-XXXX		

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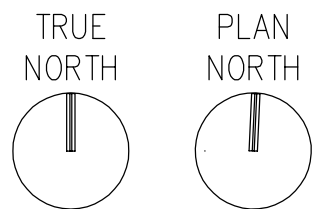
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- 2 PROVIDE 102mm (4") STANDPIPE (MANUAL-WET TYPE) WITH 63.5mm (2 1/2") GATE VALVE AND HOSE CONNECTION WITH CAP AND CHAIN.
- 3 2nd, 3 rd AND 4th FLOORS REQUIRE IDENTICAL FIRE PROTECTION COVERAGE.
- 4 REFER TO ARCHITECTURAL DRAWINGS FOR FIREWALL LOCATIONS.
- 5 FIRE WATER PIPING AT 3RD FLOOR CEILING ONLY.

WEST WING 2nd, 3rd & 4th FLOOR
FIRE PROTECTION PLAN



KEY PLAN




I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: *[Signature]*
Title: Project Manager
Registration No: 22452

4000 2000 0 4000 8000

SCALE: 1 : 100

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Revisions			
Symbol	Descriptions	Date	Approved
Architect:	Engineer:	U.S. ARMY ENGINEER DISTRICT	
ARCHITECTURAL ALLIANCE	MEAD & HUNT	CORPS OF ENGINEERS	
MINNEAPOLIS, MINNESOTA	MADISON, WISCONSIN	OMAHA, NEBRASKA	
Designed by:	MINNEAPOLIS-ST.PAUL AFR		MINNESOTA
WFH	CONSOLIDATED LODGING FACILITY		
Drawn by:	- PHASE FOUR -		
JET	2nd, 3rd, & 4th FLOOR		
Checked by:	FIRE PROTECTION PLAN		
WFH			
Reviewed by:	Plot Scale Ratio:	Date:	Sheet
	Design File: 10058f207.dwg	DECEMBER 2003	reference
Submitted by:	Spec. No.:	Drawing Code:	number:
	W9128F-04-B-0002	AF 721-315-04	F2.7
	Contract No.:		
	W9128F-04-C-XXXX		

QJKL-990011P4